| lr. | ıdex | of Cl | aims |  |
|-----|------|-------|------|--|
|     |      |       |      |  |

| Application No.    | Applicant(s)  |
|--------------------|---------------|
| 10/733,364         | NIWANO ET AL. |
| Examiner           | Art Unit      |
| Julie-Huyen L. Ngo | 2871          |

| √ | Rejected | 1 |
|---|----------|---|
| = | Allowed  | + |

| _ | (Through numeral)<br>Cancelled |
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| + | Restricted                     |

| N | Non-Elected  |
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| ı | Interference |

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| Cla   | aim      | Date     |          |          |   |          |  | Date Claim Date    |          |          |             |          |           |  | 7        | CI       | aim           | Date         |          |                |          |          |          |          |                     |           |          |          |          |          |          |               |
|-------|----------|----------|----------|----------|---|----------|--|--------------------|----------|----------|-------------|----------|-----------|--|----------|----------|---------------|--------------|----------|----------------|----------|----------|----------|----------|---------------------|-----------|----------|----------|----------|----------|----------|---------------|
|       |          |          |          |          |   |          |  | $\neg$             | П        |          | $\neg \tau$ |          |           |  |          |          |               |              |          |                | $\Box$   |          | П        |          |                     |           |          |          |          |          |          |               |
| Final | Original | 4/28/04  | 9/24/04  |          |   |          |  |                    |          |          | Final       | Original |           |  |          |          |               |              |          |                | ļ        | Final    | Original |          |                     |           |          |          |          |          |          |               |
|       | 1        | ┝        |          |          |   | $\vdash$ | ├  | $\vdash$           |          | Н        | -           | 51       | H         |  |          |          | $\dashv$      | $\dashv$     | -+       | $\dashv$       |          | -        | 101      |          | $\vdash$            | +         | -        |          |          | $\vdash$ | $\dashv$ | Н             |
|       | 2        | $\vdash$ |          | $\vdash$ |   | $\vdash$ | $\vdash$   | $\vdash$           |          | Н        |             | 52       | $\vdash$  |  | -        |          | +             | $\dashv$     | $\dashv$ | +              | $\dashv$ |          | 102      | -        |                     | $\dashv$  |          |          |          | $\vdash$ | $\dashv$ | Н             |
|       | 3        | $\vdash$ | $\vdash$ |          | _ | $\vdash$ | $\vdash$   | $\vdash$           | $\vdash$ | Н        |             | 53       | $\vdash$  | -  |          | $\dashv$ | $\dashv$      | $\dashv$     | $\dashv$ | -+             | $\dashv$ | _        | 103      |          | $\vdash$            | $\dashv$  | $\dashv$ |          | $\vdash$ | $\vdash$ | $\dashv$ | $\vdash$      |
|       | 4        |          |          |          |   | -        | $\vdash$   | $\vdash$           | $\vdash$ | $\vdash$ |             | 54       |           |  |          | $\dashv$ |               | $\dashv$     | +        |                | -        |          | 103      |          | -                   |           | -        |          |          | $\vdash$ |          | $\vdash$      |
| 1     | 5        | 1        | =        |          |   | ┢        | ├  | -                  | -        | $\vdash$ |             | 55       | -         | -  |          |          | $\dashv$      | $\dashv$     | +        | -              | -1       |          | 105      |          |                     | $\dashv$  |          | _        |          | $\vdash$ | $\dashv$ | $\vdash$      |
| 2     | 6        | 1        | =        |          |   | -        | ╁╾   | <del> </del>       |          | $\dashv$ | -           | 56       | -         | $\vdash$   | -        | -        | +             | $\dashv$     | +        | $\dashv$       | -        | $\vdash$ | 106      | $\vdash$ | ┰                   | $\dashv$  | -        |          |          | $\vdash$ |          | $\vdash$      |
|       | 7        | V        | H        | -        |   | -        | ┢  | ╁                  | <u> </u> |          | -           | 57       | _         |  |          |          |               | -+           | +        |                | -        |          | 107      |          |                     |           |          |          |          | $\vdash$ | ᅱ        | $\vdash$      |
|       | 8        | V        |          |          |   | $\vdash$ | $\vdash$   | H                  |          | $\dashv$ |             | 58       | $\vdash$  |  |          | $\dashv$ | +             | -            | $\dashv$ | +              | ┪        | $\vdash$ | 108      |          | $\vdash$            | $\dashv$  | $\dashv$ | _        |          | $\dashv$ | $\dashv$ | -             |
|       | 9        | <u> </u> |          | $\dashv$ | _ | H        | $\vdash$   |                    | Н        | $\dashv$ |             | 59       | $\vdash$  | $\vdash$   |          | $\dashv$ | 十             | _            | 十        | $\dashv$       | -        | $\vdash$ | 109      |          | $\vdash$            | ┪         | $\neg$   |          | Н        | $\neg$   | $\dashv$ | Н             |
|       | 10       |          | Н        | $\dashv$ |   | _        | $\vdash$   | $\vdash$           | -        | $\dashv$ |             | 60       | $\vdash$  | $\dashv$   | $\dashv$ | $\dashv$ | _             | +            | $\dashv$ | _              | $\dashv$ | -        | 110      |          | $\vdash$            | $\dashv$  | $\dashv$ | _        | $\vdash$ | $\dashv$ | $\neg$   | $\Box$        |
|       | 11       | -        |          | 一        | _ | _        | H  |                    | Н        | $\dashv$ |             | 61       | ┢         | $\dashv$   | $\dashv$ |          | 十             | ┪            | 一        | <del>-  </del> | _        |          | 111      | $\neg$   | $\vdash$            | $\dashv$  | $\dashv$ | _        | $\dashv$ | $\dashv$ | $\dashv$ | $\overline{}$ |
|       | 12       | $\vdash$ | Н        | -        |   | -        | <del>                                     </del> | ✝                  | Н        | $\dashv$ | -           | 62       | $\vdash$  | <del>                                     </del> | _        |          | $\dashv$      | $\dashv$     | -        | $\dashv$       | -        |          | 112      | Н        | $\vdash \uparrow$   |           | 一        |          | $\vdash$ |          | $\dashv$ | $\vdash$      |
|       | 13       |          | H        |          |   |          |  | T                  | H        | $\dashv$ |             | 63       |           | H  |          |          | $\dashv$      | $\dashv$     | $\dashv$ | $\neg \dagger$ | 1        |          | 113      | H        | $\vdash$            | ┪         |          |          | Н        | H        | $\dashv$ | $\neg$        |
|       | 14       |          |          |          |   |          |  |                    |          | $\dashv$ |             | 64       |           |  |          |          | $\dashv$      | 寸            | $\dashv$ | +              | 7        |          | 114      |          | $\vdash$            | 7         | -        |          |          | H        | $\neg$   |               |
|       | 15       |          |          |          |   |          |  | T                  |          | $\neg$   |             | 65       |           |  | $\neg$   |          | $\neg$        | 寸            | $\dashv$ | -†             | _        |          | 115      |          |                     | _         |          |          |          |          |          | П             |
|       | 16       |          |          |          |   |          |  | П                  |          | ヿ        |             | 66       |           |  | $\neg$   | $\neg$   | $\dashv$      | $\dashv$     | $\dashv$ | $\neg$         | $\neg$   |          | 116      |          | $\vdash$            | 7         |          |          |          | $\Box$   | $\neg$   | П             |
|       | 17       |          |          |          |   |          |  |                    |          |          |             | 67       | T         |  | 寸        | T        | T             | $\dashv$     | 一        | $\neg$         | 1        |          | 117      |          | $\top$              |           | $\neg$   |          |          |          |          | П             |
|       | 18       |          |          |          |   |          | _  |                    |          |          |             | 68       |           | Ħ  | $\dashv$ | T        | T             | T            | 寸        |                | 1        |          | 118      |          | $\top$              | ┪         |          |          |          | П        | $\neg$   | $\Box$        |
|       | 19       |          |          |          |   |          |  |                    |          |          |             | 69       |           |  | $\neg$   | 寸        | 寸             | T            | 寸        | $\dashv$       | 1        |          | 119      |          | $\vdash$            | ┪         |          |          |          |          |          | П             |
|       | 20       |          |          |          |   |          |  |                    |          |          |             | 70       |           |  |          |          | 寸             | T            | T        | $\top$         | ヿ        |          | 120      |          | $\top$              | ┪         |          |          |          | П        | $\neg$   | П             |
|       | 21       |          |          |          |   |          | $\Box$   |                    |          | $\Box$   |             | 71       |           |  | 一        |          | ヿ             | ℸ            | $\dashv$ | $\top$         | 7        |          | 121      |          |                     | $\neg$    |          |          |          | $\neg$   | ┪        | П             |
|       | 22       |          |          |          |   |          |  |                    |          |          |             | 72       |           |  |          |          | $\neg$        | 7            |          | 十              | 7        |          | 122      |          | $\Box$              | ╗         |          |          |          | ヿ        | コ        | П             |
|       | 23       |          |          |          |   |          |  | Г                  |          |          |             | 73       | Г         |  |          |          | 7             | $\neg$       | T        |                |          |          | 123      |          |                     | $\exists$ |          |          |          | ヿ        | ヿ        | П             |
|       | 24       |          |          |          |   |          | T  |                    |          |          |             | 74       |           | T  | $\neg$   | T        | $\neg$        | T            |          |                |          |          | 124      |          |                     |           |          |          |          |          | ᄀ        |               |
|       | 25       |          |          |          |   |          |  |                    |          |          |             | 75       |           |  |          |          |               |              |          | $\neg$         |          |          | 125      |          | $\Box$              | ٦         |          |          |          | П        | $\neg$   |               |
|       | 26       |          |          |          |   |          |  |                    |          |          |             | 76       |           |  | $\neg$   |          | $\exists$     | T            |          | $\neg$         |          |          | 126      |          | $\neg$              |           |          |          |          | $\Box$   | $\neg$   | $\overline{}$ |
|       | 27       |          |          |          |   |          |  |                    |          |          |             | 77       |           |  | ヿ        |          | T             | T            | T        | $\neg \vdash$  |          |          | 127      |          |                     |           |          |          |          | $\Box$   | $\neg$   | П             |
|       | 28       |          |          |          |   |          |  |                    |          |          |             | 78       |           |  | T        |          | T             | T            |          | $\neg$         |          |          | 128      |          |                     |           |          |          |          | П        | $\neg$   | $\Box$        |
|       | 29       |          |          |          |   |          |  |                    |          |          |             | 79       |           |  |          |          |               | П            |          |                |          |          | 129      |          |                     |           |          |          |          |          |          |               |
|       | 30       |          |          |          |   |          |  |                    |          |          |             | 80       |           |  |          |          |               |              |          |                |          |          | 130      |          |                     |           |          |          |          |          |          |               |
|       | 31       |          |          |          |   |          |  |                    |          |          | L           | 81       |           |  |          |          |               |              |          |                |          |          | 131      |          |                     |           |          |          |          |          |          |               |
|       | 32       |          |          | [        | ] |          | L  | Ш                  |          |          |             | 82       |           |  | [        |          | _[            | $\Box$       |          |                | _ _      |          | 132      |          |                     |           |          |          |          |          |          |               |
|       | 33       |          |          | ]        |   |          |  |                    |          | _        |             | 83       |           |  |          |          |               |              |          |                |          |          | 133      |          |                     |           |          |          |          | $\Box$   |          |               |
|       | 34_      |          |          |          |   |          | L  | Ш                  | $\Box$   |          |             | 84       | Ш         |  |          |          |               | $\perp$      |          | $\perp$        |          |          | 134      |          |                     |           |          |          |          | $\perp$  |          |               |
|       | 35       |          |          |          | _ |          |  |                    |          |          |             | 85       | Ш         | [  |          |          |               | $\perp$      | $\perp$  |                | _        |          | 135      |          |                     |           |          |          |          | $\Box$   | [        |               |
|       | 36       |          |          |          |   |          | L  | Щ                  |          |          | L           | 86       | Ш         | _  |          | _        |               |              | $\perp$  |                | 4        | <u></u>  | 136      | Щ        | $\perp$             | _         |          |          |          | ┙        | $\Box$   | Ш             |
|       | 37       |          |          |          |   | Ш        |  | Ш                  |          | _        | <u> </u>    | 87       | Ш         |  |          |          | ightharpoonup | $\perp$      | _        | $\perp$        | _        |          | 137      | Ш        | $\sqcup \bot$       | _         | _        |          |          | $\dashv$ | 凵        |               |
|       | 38       |          |          |          |   |          | L_   | Щ                  |          | $\Box$   |             | 88       | Ш         |  |          | _        |               | $\perp$      | _        | $\perp$        | _        |          | 138      |          |                     | _         |          |          |          |          | 凵        |               |
|       | 39       |          | _        | _        | _ |          |  | Щ                  |          | _        |             | 89       | Ш         |  |          | _        | .             | _            |          | $\perp$        | _        |          | 139      |          |                     | _         |          |          |          | $\dashv$ | ᆜ        |               |
|       | 40       |          |          |          |   |          | <u> </u>   | igspace            |          | $\Box$   |             | 90       | Щ         |  | ļ        |          |               |              | _        | $\perp$        | _        |          | 140      | Щ        |                     |           |          |          |          | ᆚ        |          | Ш             |
|       | 41       |          | _        | _        |   |          | <u> </u>   | $\vdash$           |          | _        | <u> </u>    | 91       | Щ         | _  | _        | _        |               | _            | _        | $\perp$        | _        | <u></u>  | 141      |          | $\sqcup$            | _         | _        | _        | _        |          | _        | $\square$     |
|       | 42       | $\sqcup$ |          | _        | _ |          | $\vdash$   | Ш                  |          | _        |             | 92       |           | _  |          | _        | _             | 4            | 4        | _              | _        | <u> </u> | 142      | $\Box$   |                     | _         | _        |          | ļ        |          | _        |               |
|       | 43       | $\vdash$ | 4        | _        |   | _        |  | Щ                  |          | _        | <u> </u>    | 93       | Ш         | _  | _        | _        | $\dashv$      | $\dashv$     | $\dashv$ | $\bot$         | 4        | <u> </u> | 143      | _        | $\vdash \downarrow$ | _         | _        |          | ļ        | _        | _        | $\dashv$      |
|       | 44       |          |          |          | _ | _        | <u> </u>   | $\vdash$           |          | _        | <u> </u>    | 94       | Н         | _  | _        | 4        | $\dashv$      | $\dashv$     | -+       | 4              | 4        | <u> </u> | 144      | _        | $\vdash$            | _         | _        |          |          | _        | _        | $\dashv$      |
|       | 45       | $\sqcup$ |          |          |   |          | <u> </u>   | Щ                  | $\Box$   | _        | <u> </u>    | 95       | $\sqcup$  | _  | _        | _        | _             | $\dashv$     | _        | 4              | 4        | <u> </u> | 145      | _        | $\sqcup$            | _         | _        |          | _        | _        | _        |               |
|       | 46       | _        | _        | _        | _ | _        | $\vdash$   | $\vdash$           |          |          |             | 96       | Н         |  | _        | _        | $\dashv$      | 4            | -        | +              | _        | <u> </u> | 146      | _        | $\perp$             | 4         |          |          |          | _        |          | $\dashv$      |
|       | 47       |          |          |          |   |          | <u> </u>   | Щ                  |          | 4        |             | 97       | $\sqcup$  |  |          |          | -             | $\downarrow$ | $\dashv$ | _              | 4        | <u> </u> | 147      |          | $\perp$             | -         | _        | 4        |          | _        | _        |               |
|       | 48       | _        |          |          |   |          | Н  | $\left  - \right $ |          | $\dashv$ |             | 98       | ${oxdot}$ | $\dashv$   | $\dashv$ |          | $\dashv$      | +            | -+       | +              | -        | $\vdash$ | 148      | -        | $\dashv$            | 4         |          | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$      |
|       | 49       |          |          | -        |   | _        | Ш  | Н                  |          | $\dashv$ | <u> </u>    | 99       | $\vdash$  |  |          | -        | $\dashv$      | +            | +        | +              | -        | $\vdash$ | 149      |          | $\dashv$            | $\dashv$  | -        | -        | -        | $\dashv$ | $\dashv$ | $\dashv$      |
|       | 50       |          |          |          |   |          | Ш  | لـــا              |          |          |             | 100      | Ш         |  |          |          |               |              | L        |                | ┙        |          | 150      |          |                     |           |          |          |          |          |          |               |